

## **ABSTRACT**

A heat pipe has a hollow pipe body, a wick structure of screen mesh disposed on an internal wall of the pipe body and at least one support structure extended to press the wick structure of screen mesh tightly to the internal wall of the pipe wall. The support structure spiral in shape, and is formed by a continuous board. The support structure provides a support force to support the wick structure of screen mesh on the internal wall of the wick structure of screen mesh by a surface of the spiral board. The heat pipe provides capillary action.